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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO	
09/895,326	07/02/2001	Katsuaki Hamamoto	010848	6711	
38834	38834 7590 10/17/2006			EXAMINER	
WESTERMAN, HATTORI, DANIELS & ADRIAN, LLP 1250 CONNECTICUT AVENUE, NW SUITE 700 WASHINGTON, DC 20036			ZHENG, EVA Y		
			ART UNIT	PAPER NUMBER	
			2611		

DATE MAILED: 10/17/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

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•	Application No.	Applicant(s)				
	09/895,326	HAMAMOTO, KATSUAKI				
Office Action Summary	Examiner	Art Unit				
	Eva Yi Zheng	2611				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
Status		•				
1)⊠ Responsive to communication(s) filed on 04 Au	Responsive to communication(s) filed on <i>04 August 2006</i> .					
ı) ☐ This action is FINAL . 2b) ☒ This action is non-final.						
3) Since this application is in condition for allowance except for formal matters, prosecution as to the ments is						
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
4) Claim(s) 13-20 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) 13-15 and 17-19 is/are allowed. 6) Claim(s) 16 and 20 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement.						
Application Papers						
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) access Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Ex	epted or b) objected to by the led drawing(s) be held in abeyance. See ion is required if the drawing(s) is obj	e 37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).				
Priority under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
Attachment(s)						
Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	ate				

Application/Control Number: 09/895,326 Page 2

Art Unit: 2611

DETAILED ACTION

Request for Continued Examination

1. The request filed on August 4, 2006, for a Request for Continued Examination (RCE) under 37 CFR 1.114 based on parent Application No. 09/895,326 is acceptable and a RCE has been established. An action on the RCE follows.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.
- 3. Claims 16 and 20 are rejected under 35 U.S.C. 102(a) as being anticipated by applicant admitter prior art (AAPA).
- a) Regarding claim 16, AAPA discloses a scrambling code generation apparatus (as shown in Fig. 16) generating a scrambling code used in a scrambling operation of transmission data, comprising:
 - a storage circuit storing predetermined initial values (22 in Fig. 16);
- a logic circuit (shift register formed of registers 11,12,13 and 14) producing a matrix by a predetermined operation (Mo(100)-M3(100)), the matrix is determined after 100 shift operations of the shift register; [0042]-[0059]); said matrix being used to determine a value of each code forming sequence of scrambling codes based on a predetermined generating polynomial ([0027] "f(x) = X^4+X^2+1 "); and

Application/Control Number: 09/895,326

Art Unit: 2611

an arithmetic circuit (21 in Fig. 16) multiplying said predetermined initial values stored in said storage circuit by said matrix produced by logic circuit to compute a value of each code forming said sequence of scrambling codes ([0060-0061]).

b) Regarding claim 20, AAPA discloses a portable radio terminal of digital radio communication, comprising:

a transmission related modem (inherent as base station) modulating transmission data ([0004]-[0014]); and

a radio processor applying processing for radio communication on transmission data of said transmission related modem to send out the processed data as a transmission radio signal ([0004]-[0014]),

said transmission related modem comprising a scrambling code generation apparatus generating a scrambling code used in a scrambling operation of said transmission data ([0014]),

said scrambling code generation apparatus (as shown in Fig. 16) comprising: a storage circuit (22 in Fig. 16) storing predetermined initial values,

a logic circuit (shift register formed of registers 11,12,13 and 14) producing a matrix by a predetermined operation (Mo(100)-M3(100), the matrix is determined after 100 shift operations of the shift register; [0042]-[0059]); said matrix being used to determine a value of each code forming sequence of scrambling codes based on a predetermined generating polynomial ([0027] "f(x) = X^4+X^2+1 "); and

Application/Control Number: 09/895,326 Page 4

Art Unit: 2611

an arithmetic circuit (21 in Fig. 16) multiplying said predetermined initial values stored in said storage circuit by said matrix produced by logic circuit to compute a value of each code forming said sequence of scrambling codes ([0060-0061]).

Allowable Subject Matter

- 4. Claims 13-15 and 17-19 would be allowable.
- 5. The following is a statement of reasons for allowable subject matter:

None of the prior art teaches or suggest a scrambling code generator comprise a control circuit for controlling an arithmetic circuit and an input circuit so that the arithmetic circuit computes values of registers and the input circuit applies the computed values into the registers until all the plurality of stages of registers store the values based on the computed and input values. The shift register continues a shift operation based on valid values stored in all of the plurality of stages of registers to generate the sequence of scrambling codes.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Eva Y Zheng whose telephone number is 571-272-3049. The examiner can normally be reached on M-F, 7:30 AM to 5:00 PM.

Application/Control Number: 09/895,326

Art Unit: 2611

Page 5

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chieh Fan can be reached on 571-272-3042. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Eva Yi Zheng Examiner Art Unit 2611

October 10, 2006

CHIEH M. FAN
SUPERVISORY PATENT EXAMINER